

RRRRRRRR	MM	MM	SSSSSSSS	000000	PPPPPPPP	UU	UU	TTTTTTTT
RRRRRRRR	MM	MM	SSSSSSSS	000000	PPPPPPPP	UU	UU	TTTTTTTT
RR	RR	MMMM	MMMM	SS	00	PP	PP	UU
RR	RR	MMMM	MMMM	SS	00	PP	PP	UU
RR	RR	MM	MM	SS	00	PP	PP	UU
RR	RR	MM	MM	SS	00	PP	PP	UU
RRRRRRRR	MM	MM	SSSSSS	00 00	PPPPPPPP	UU	UU	TT
RRRRRRRR	MM	MM	SSSSSS	00 00	PPPPPPPP	UU	UU	TT
RR	RR	MM	MM	SS	0000	PP	UU	UU
RR	RR	MM	MM	SS	0000	PP	UU	UU
RR	RR	MM	MM	SS	00	PP	UU	UU
RR	RR	MM	MM	SS	000000	PP	UUUUUUUUUU	TT
RR	RR	MM	MM	SSSSSSSS	000000	PP	UUUUUUUUUU	TT

....

LL	IIIIII	SSSSSSSS
LL	IIIIII	SSSSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SSSSSS
LL	II	SSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LLLLLLLL	IIIIII	SSSSSSSS
LLLLLLLL	IIIIII	SSSSSSSS

(2) 71 DECLARATIONS
(3) 94 RMSSPUT - COMMON \$PUT SETUP AND DISPATCH ROUTINE

0000 1 \$BEGIN RMSOPUT,000,RM\$RMS,<DISPATCH FOR PUT OPERATION>,<NOWRT,QUAD>
0000 2
0000 3 :*****
0000 4 :*****
0000 5 :*
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0000 18 :* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
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0000 20 :*
0000 21 :* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 22 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 23 :*
0000 24 :*
0000 25 :*****
0000 26 :*
0000 27 :* Facility: rms32
0000 28 :*
0000 29 :* Abstract:
0000 30 :*
0000 31 :* this routine is the highest level control
0000 32 :* routine to perform the \$put function.
0000 33 :*
0000 34 :*
0000 35 :* Environment:
0000 36 :* star processor running starlet exec.
0000 37 :*
0000 38 :* Author: L F Laverdure, creation date: 3-FEB-1977
0000 39 :*
0000 40 :* Modified By:
0000 41 :*
0000 42 :* V03-007 DAS0001 David Solomon 14-Apr-1984
0000 43 :* Fix truncation error in CASE to RM\$PUT2.
0000 44 :*
0000 45 :* V03-006 JWT0141 Jim Teague 11-Nov-1983
0000 46 :* Change IFBSV_RUM to IFBSV_ONLY_RU
0000 47 :*
0000 48 :* V03-005 KPL0003 Peter Lieberwirth 26-Jul-1983
0000 49 :* If AT jnling, tell RJR we're a PUT.
0000 50 :*
0000 51 :* V03-004 KPL0002 Peter Lieberwirth 24-Jul-1983
0000 52 :* If AT jnling, get RAB data describing user's request.
0000 53 :*
0000 54 :* V03-003 KPL0001 Peter Lieberwirth 20-Jun-1983
0000 55 :* Change some JNLFLG references to JNLFLG2.
0000 56 :*
0000 57 :*

DISPATCH FOR PUT OPERATION

F 10

16-SEP-1984 01:27:12 VAX/VMS Macro V04-00
5-SEP-1984 16:25:18 [RMS.SRC]RMSOPUT.MAR;1Page 2
(1)

0000	58	:	V03-002 JWH0153	Jeffrey W. Horn	8-Dec-1982
0000	59	:		Don't allow SPUT if not in recovery unit and RU only	
0000	60	:		specified for file.	
0000	61	:			
0000	62	:	V03-001 KBT0189	Keith B. Thompson	23-Aug-1982
0000	63	:		Reorganize psects	
0000	64	:			
0000	65	:	V02-005 REFORMAT	Maria del C. Nasr	24-Jul-1980
0000	66	:			
0000	67	:	--		
0000	68	:			
0000	69				

```
0000 71 .SBTTL DECLARATIONS
0000 72
0000 73 :
0000 74 : Include Files:
0000 75 :
0000 76
0000 77 :
0000 78 : Macros:
0000 79 :
0000 80
0000 81      $IFBDEF
0000 82      $RMSDEF
0000 83      $RJRDEF
0000 84
0000 85 :
0000 86 : Equated Symbols:
0000 87 :
0000 88
0000 89 :
0000 90 : Own Storage:
0000 91 :
0000 92
```

0000 94 .SBTTL RMSSPUT - COMMON SPUT SETUP AND DISPATCH ROUTINE
0000 95
0000 96 :++
0000 97 : RMSSPUT - This routine performs common RAB function setup followed
0000 98 : by dispatch to organization-dependent \$PUT code.
0000 99
0000 100 : Calling sequence:
0000 101 :
0000 102 : entered from exec as a result of user's calling sys\$put
0000 103 : (e.g., by using the \$put macro)
0000 104 :
0000 105 : Input Parameters:
0000 106 :
0000 107 : ap user's argument list addr
0000 108 :
0000 109 : Implicit Inputs:
0000 110 :
0000 111 : the contents of the rab and related irab and ifab.
0000 112 :
0000 113 : Output Parameters:
0000 114 :
0000 115 : r1 destroyed
0000 116 : r0 status code
0000 117 :
0000 118 : Implicit Outputs:
0000 119 :
0000 120 : various fields of the rab are filled in to reflect
0000 121 : the status of the \$put operation. (see rms functional
0000 122 : spec for a complete list.)
0000 123 :
0000 124 : the irab is similarly updated.
0000 125 :
0000 126 : a completion ast is queued if specified in the user arglist.
0000 127 :
0000 128 : Completion Codes:
0000 129 :
0000 130 : standard rms (see functional spec for list).
0000 131 :
0000 132 : Side Effects:
0000 133 :
0000 134 : none
0000 135 :
0000 136 :--
0000 137 :
0000 138 :SENTRY RMSSPUT
0000 139 :\$TSTPT PUT
0006 140 :\$RABSET FAC=IFB\$V_PUT,CFLG=1 : do common setup
000A 141 :
000A 142 :
000A 143 : Returns to user on error
000A 144 :
000A 145 :
OE 00A0 CA 00 E1 000A 146 BBC #IFB\$V_ONLY RU,IFB\$B_JNLFLG(R10),10\$: branch if not RU only
08 00A2 CA 02 E0 0010 147 BBS #IFB\$V_RUP,IFB\$B_JNLFLG2(R10),10\$: branch if in RU
FFE2' 31 0018 148 RMSERR NRU
001E 149 BRW RMSEXRMS
001E 150

001E 151 10\$:
001E 152
001E 153 :
001E 154 : If AT journaling, get some information from RAB.
001E 155 :
09 00A0 CA 04 E1 001E 156 BBC #IFBSV_AT,IFBSB_JNLFLG(R10),20\$; skip if not AT jnling
51 13 D0 0024 157 MOVL #RJRS_PUT,R1 ; input to AT COM_RAB
00000000'EF 16 0027 158 JSB RMSAT_COM_RAB ; get RAB data into RJR
002D 159 20\$:
002D 160
002D 161 :
002D 162 : Dispatch to org-dependent code
002D 163 : Sequential, Relative, indexed routines
002D 164 :
002D 165
002D 166 CASE TYPE=B, SRC=IFBSB_ORGCASE(R10),-
002D 167 DISPLIST=<RMSSPUT1,RM_PUT2_BR,RMSSPUT3>
00000008 FFC5' 31 0038 168 .IF NE \$\$RMSTEST&\$\$RMS_TBUGCHR
0038 169 BRW RMSERRORG
0038 170 .ENDC
00000000'EF 17 0038 171 RM_PUT2_BR:
0041 172 JMP RMSSPUT2
0041 173 .END
0041 174 .END

```

$$.PSECT EP          = 00000000
$SRMSTEST          = 0000001A
$SRMS_PBUGCHK      = 00000010
$SRMS_TBUGCHK      = 00000008
$SRMS_UMODE         = 00000004
IFBSB_JNLFLG        = 000000A0
IFBSB_JNLFLG2       = 000000A2
IFBSB_ORGCASE       = 00000023
IFBSV_AT            = 00000004
IFBSV_ONLY_RU       = 00000000
IFBSV_PUT           = 00000000
IFBSV_RUP           = 00000002
PIOSA_TRACE         = **** X 01
RJRS_PUT            = 00000013
RMSAT_COM_RAB       = **** X 01
RMSErrorOrg         = **** X 01
RMSEXRMS            = **** X 01
RMSPUT1             = **** X 01
RMSPUT2             = **** X 01
RMSPUT3             = **** X 01
RMSRSET             = **** X 01
RMSSPUT             = FFFFFFFE RG 01
RMSS_NRU            = 000187FC
RM_PUT2_BR          = 0000003B R 01
TPTSL_PUT           = **** X 01

```

-----+
! Psect synopsis !
-----+

PSECT name

	Allocation	PSECT No.	Attributes													
ABS	00000000 (0.)	00 (0.)	NOPIC USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE				
RMSRMS	00000041 (65.)	01 (1.)	PIC USR	CON	REL	GBL	NOSHR	EXE	RD	NOWRT	NOVEC	QUAD				
SABSS	00000000 (0.)	02 (2.)	NOPIC USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE				

-----+
! Performance indicators !
-----+

Phase

	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.07	00:00:00.52
Command processing	111	00:00:00.72	00:00:05.29
Pass 1	227	00:00:05.38	00:00:14.83
Symbol table sort	0	00:00:00.72	00:00:00.84
Pass 2	45	00:00:01.01	00:00:02.01
Symbol table output	4	00:00:00.05	00:00:00.33
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	420	00:00:07.99	00:00:23.93

The working set limit was 1200 pages.

28972 bytes (57 pages) of virtual memory were used to buffer the intermediate code.

There were 30 pages of symbol table space allocated to hold 584 non-local and 4 local symbols.

174 source lines were read in Pass 1, producing 13 object records in Pass 2.

18 pages of virtual memory were used to define 17 macros.

! Macro library statistics !

Macro Library name

\$255\$DUA2B:[RMS.OBJ]RMS.MLB;1
-\$255\$DUA2B:[SYS.OBJ]LIB.MLB;1
-\$255\$DUA2B:[SYSLIB]STARLET.MLB;2
TOTALS (all libraries)

Macros defined

9
1
3
13

696 GETS were required to define 13 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:RMSOPUT/OBJ=OBJ\$:RMSOPUT MSRC\$:RMSOPUT/UPDATE=(ENH\$:RMSOPUT)+EXECML\$/LIB+LIB\$:RMS/LIB

0330 AH-BT13A-SE
VAX/VMS V4.0

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